# ETC Minutes - 9/14/2010

Tuesday, September 14, 2010
3:00 PM

## Attendees

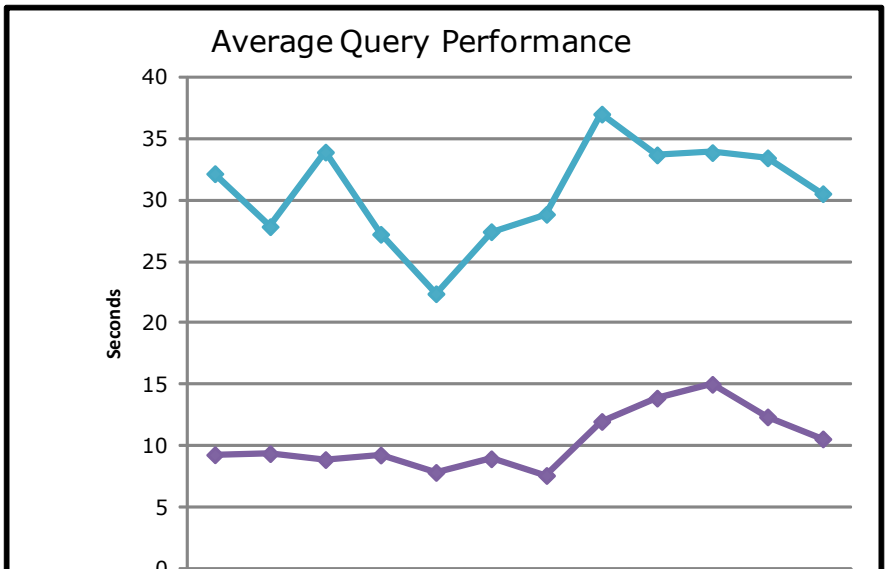
- Matt Cechini (ECHO Ops)
- Frank Corprew (ECHO Ops)
- Linnette Quick (ECHO Ops)
- Amanda Leon (NSIDC)
- David Grant (NSIDC)
- Frank Schaffer (NSIDC)
- Cathy Fowler (NSIDC)
- Peter Gibbons (NSIDC)
- Todd Edmands (NSIDC)
- Matt Martens (LPDAAC)
- Lisa Baatz (USGS_EROS)
- Julie Luebke (LPDAAC)
- Dawn Siemonsma (LPDAAC)
- Dan Traut (LPDAAC)
- Chris Finch (PODAAC)
- Lindsay Parker (LARC)
- Merlie Hansen (SEDAC)
- Marilyn Drewry (GHRC)
- Karen Sage (LARC)
- Ben McMurry (ORNL)
- Ed Seiler (GSFC)
- Jon Pals (SDPS)
- Yuqi Bai (GMU)

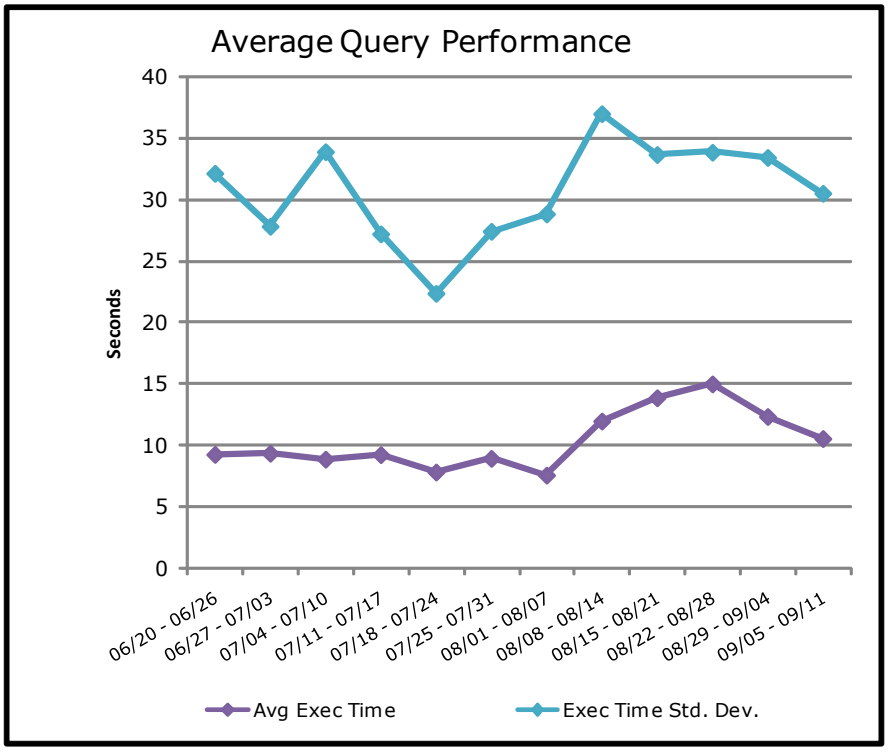
## Agenda

1. ECHO Operations Status
2. Reverb Status Update
3. 10.28 Release Review
4. ECHO Atom Feed Ops Concept
5. TestTrack Pro Workflow Updates
6. Discovering granules w/o spatial information
7. Upcoming Events
8. Other Questions

## 1. ECHO Operational Status

The ECHO Operational system has not experienced any query or order outages in the past week. There was an outage of ingest processing during the 10.27 deployment which occurred on 9/1/10. There are no outstanding service issues with the Operational system. The following chart outlines query performance for the past 12 weeks. The recent fluctuation in performance is associated with the ECHO-ESIP client and the specific type of queries that it is performing.






## 2. Reverb Status Update

ECHO 10.29 Sprint 1 has been released to the ECHO testbed environment. We continue to focus on the REST API methods while the new Reverb UI framework is being developed. We expect to be in receipt of the new Reverb main page UI by the end of the week. At that point, we will begin implementing the front page capabilities. As soon as this is ready for usage, an update to 10.29 will be pushed to Testbed. The current plan is to take 10.29 to Partner Test and make the Reverb instance in that mode be the first version that end users are invited to use.

Over the next couple weeks, two Ops Concepts will be provided and reviewed for capabilities which will also be implemented along with Reverb. This includes "ECHO Services" and an "ECHO Calendar".

The 2nd Reverb User Feedback Survey results were discussed. A discussion was had regarding whether to use the phrase "Data Center" or "Data Provider". LP and GSFC were in favor of "Data Provider" while all other participants were in favor of "Data Center." It was decided that "Data Center" would be chosen.

## 3. 10.28 Release Review

The following NCRs are included in ECHO 10.28, which is schedule for Operational deployment on 9/22/10. Most are related to the ECHO-ESIP client.

### ECHO, WIST, & OpenSearch NCRs

| Summary | Number |
|---|---|
| OnlineResourceURLs should be returned in granule results | 11005109 |
| User receives a PUMP application error when trying to create an ECHO account | 11005254 |
| Group2 method documentation updates | 11005315 |

| | |
|---|---|
| Add 'client' tag to key/value pairs | 11005317 |
| ECHO documentation incorrect for User.Username | 11005326 |
| ECHO API documentation inconsistencies | 11005331 |
| Provide temporal and spatial constraints for dataset searching | 11005347 |
| OpenSearch to support ProcessingLevel in atom results | 11005359 |
| dataset atom feed returning invalid start date | 11005371 |
| Incorrect Granule Size returned from atom feed | 11005372 |
| Data Quality Summary ACLs | 11005375 |
| Esip displays incorrect time values in html search results | 11005378 |

## 4. ECHO Atom Feed Ops Concept Review

The ECHO Atom Feed Ops Concept (http://www.echo.nasa.gov/documents/ops_concepts/ECHO_OpsCon_018.doc) was reviewed. There were no concerns about the proposed feeds. ECHO will work with the interested client partners to ensure that they are able to properly interpret the messages provided on the atom feeds. It is expected that this functionality will be available by early October.

- Jon Pals - Why did we choose to abbreviate DEGRADED_PERF and not use DEGRADED_PERFORMANCE.
  - ECHO will expand the enumeration to "DEGRADED_PERFORMANCE"
- Yuqi Bai -
  - No questions at this time.

## 5. TestTrack Pro Workflow Updates

The updated TestTrack Pro workflow updates (http://www.echo.nasa.gov/documents/guides/ECHO_TTPro_Training_Guide.pdf) were reviewed to discuss how ECHO's agile process will now be reflected in the NCR dispositioning.

- Ed Seiler - When should a customer consider it time to verify an NCR?
  - An NCR will be ready for verification when the release is deployed to the system in which testing can be performed. This is often Partner Test, but some items require Operational data for verification, and some items (e.g. ECHO-ESIP) are tested and verified in Testbed.
  - Submitters need not wait for the Ops team to move their NCR to the "Needs Customer Verification" state, though that will be another indication that the NCR is ready for testing.
  - ECHO Trouble Tickets are ready for review whenever they are marked as "Fixed."

## 6. Discovering granules w/o spatial information

In the event that a granule does not have any spatial extent, should a user expect a search containing a spatial constraint to return the non-spatial granule in the results? The following scenarios have been identified. Continued discussion will occur on this in the ETC and through the current email threads.

1. Only return granules without spatial metadata during a search with spatial constraints covering the entire earth:
2. Always return granules without spatial metadata:
3. Allow users to specify that they would like a query to return granules without spatial

metadata:

The following responses were received via email:

**Calli Jenkerson**

My vote is to return non-spatial granules only when they are specified as search criteria - you get get them and nothing else. I'm not really sure which of Matt C's options that falls under - the last one looks closest, but it seems a lot more complicated than the way things are now (but I may not fully understand how things are now). If global granules are requested, CMGs should be returned. If any spatial parameters inside the 180-180 90-90 range are used, CMGs should not be returned.

**Lindsay Parker**

Scenario 3, user would have to select non-spatial to be included.

**Jon Pals**

I would prefer option 3 with an initial default of including granules with no spatial metadata. I think people are more used to making adjustments to reduce the number of granules returned than they are to making adjustments to increase the number of granules returned.

**Bruce Beaumont**

I bounced this off our "resident scientist" (Matt Smith). His preference was (3) with a default of DO NOT return granules without spatial constraints.

My personal preference would be (3) with a default of DO return granules without spatial constraints, but that assumes that the constraints were unspecified because they cover the whole Earth, which is probably an invalid assumption.

**Marilyn Drewry**

I prefer (3).

Is it possible to add to Reverb a checkbox to allow users to specify whether or not they want non-spatial granules? If that is not possible, I believe the user should be given a highly visible notice that the search WILL return non-spatial granules.

The following preferences were discussed in the meeting:

**GSFC**

Would like to see a listing of datasets that have granules without spatial metadata.

**PODAAC**

Option 3. Should need to select it if you want non-spatial to show up.

**GMU**

When searching the whole earth, users would like to see granules that touch the supplied area. Would like to be able to request that granules w/o spatial be returned.

- Matt will send out the final ECHO approach for review.

## 7. Upcoming Events

- 9/22/2010 - 10.28 Release to Operations

## 8. Questions/Comments

None